



# 6AU4-GTA HALF-WAVE VACUUM RECTIFIER

For television damper service

6AU4-GTA

## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC) . . . . .  $6.3 \pm 10\%$  volts  
Current . . . . . 1.8 amp

Direct Interelectrode Capacitances (Approx.):<sup>o</sup>

Plate to cathode and heater . . . . . 8.5  $\mu\text{f}$   
Cathode to heater and plate . . . . . 11.5  $\mu\text{f}$   
Heater to cathode . . . . . 4  $\mu\text{f}$

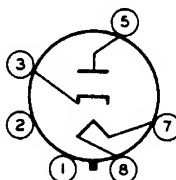
### Mechanical:

Operating Position . . . . . Any  
Maximum Overall Length . . . . .  $3-13/16"$   
Maximum Seated Length . . . . .  $3-1/4"$   
Maximum Diameter . . . . .  $1-9/32"$   
Bulb . . . . . T9  
Base . . . . . Short Intermediate-Shell Octal 5-Pin  
with External Barriers, Arrangement 2  
(JEDEC Group 1, No. B5-85),  
or Short Intermediate-Shell Octal 6-Pin  
with External Barriers, Arrangement 1  
(JEDEC Group 1, No. B6-60)

Basing Designation for BOTTOM VIEW . . . . . 4CG

Pin 1  $\blacklozenge$  - Same as  
Pin 2

Pin 2 - Internal  
Connection—  
Do Not Use



Pin 3 - Cathode  
Pin 5 - Plate  
Pin 7 - Heater  
Pin 8 - Heater

## DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system<sup>□</sup>

PEAK INVERSE PLATE VOLTAGE . . . . . 4500 max. volts  
PEAK PLATE CURRENT . . . . . 1300 max. ma  
DC PLATE CURRENT . . . . . 210 max. ma  
PLATE DISSIPATION . . . . . 6.5 max. watts  
PEAK HEATER-CATHODE VOLTAGE:  
Heater negative with  
respect to cathode . . . . . 4500<sup>▲</sup> max. volts  
Heater positive with  
respect to cathode . . . . . 300<sup>\*</sup> max. volts

<sup>o</sup> Without external shield.

$\blacklozenge$  On the 5-pin base, pin 1 as well as pins 4 and 6 is omitted.

<sup>•</sup> Socket terminals 1, 2, 4, and 6 should not be used as tie points.

<sup>□</sup> As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

<sup>▲</sup> The dc component must not exceed 900 volts.

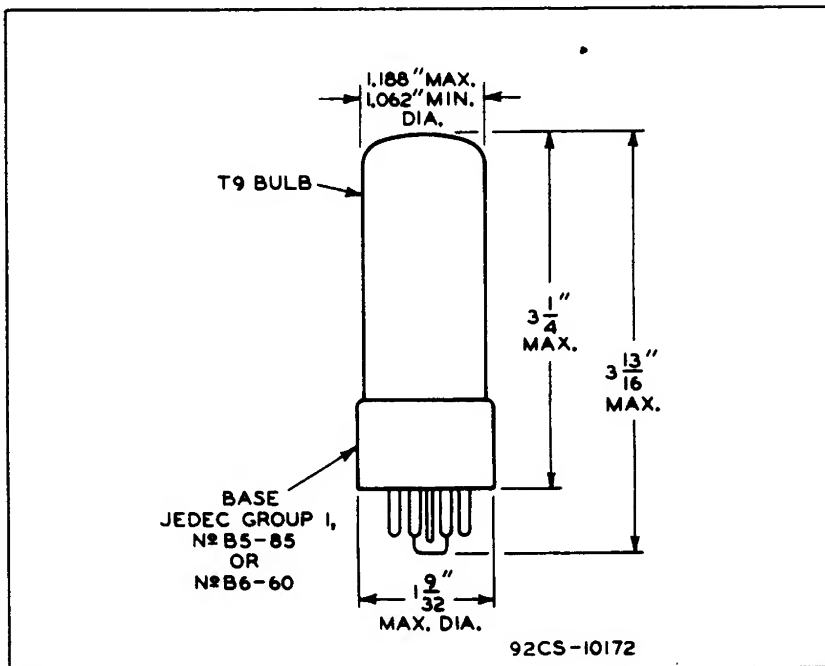
<sup>\*</sup> The dc component must not exceed 100 volts.

← Indicates a change.

6AU4-GTA



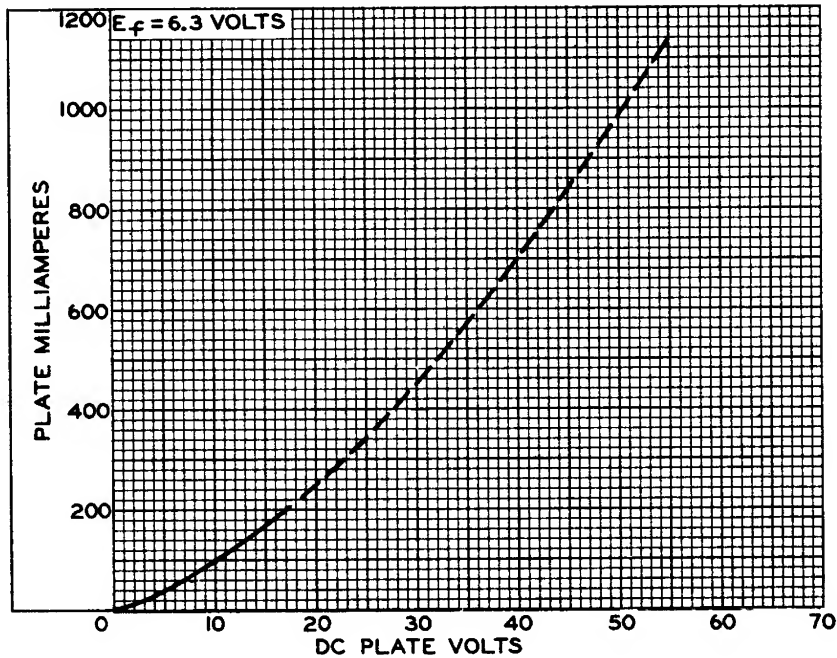
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## AVERAGE PLATE CHARACTERISTIC



ELECTRON TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CS-8651R1